

CLAIMS

1. An immunostimulatory oligonucleotide that is represented by the general formula 5'-Gm-GACGATCGTC-Gn-3' or 5'-Gm-CACGATCGTG-Gn-3' (in the formula, m and n are each independently an integer from 1 to 9 and m+n=10) and that comprises any of the following base sequences:

GGACGATCGTCGGGGGGGG (SEQ ID NO: 1),
GGGACGATCGTCGGGGGGGG (SEQ ID NO: 2),
GGGGACGATCGTCGGGGGGGG (SEQ ID NO: 3),
GGGGGGGACGATCGTCGGGG (SEQ ID NO: 4),
GGGGGGGGACGATCGTCGGG (SEQ ID NO: 5),
GGGGGGGGGACGATCGTCGG (SEQ ID NO: 6),
GGGGGGGGGGACGATCGTCG (SEQ ID NO: 7), and
GGGGGGGGGGCACGATCGTGG (SEQ ID NO: 8)

2. The immunostimulatory oligonucleotide according to claim 1 comprising GGGGGGGGGGACGATCGTCG (SEQ ID NO: 7).

3. A pharmaceutical formulation according to claim 1 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising a base sequence set forth in any of SEQ ID NO: 1 to 8.

4. A pharmaceutical formulation according to claim 1 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising the base sequence set forth in SEQ ID NO: 7.

5. A pharmaceutical formulation according to claim 1 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising a base sequence set forth in any of SEQ ID NO: 1 to 8 and further comprising an immunomodulating factor.

6. A pharmaceutical formulation according to claim 1 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising the base sequence set forth in SEQ ID NO: 7 and further comprising an immunomodulating factor.

7. A pharmaceutical formulation according to claim 5 or 6 wherein said immunomodulating factor is an antigen

or an adjuvant.